



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406

FAX (603) 271-7894

January 8, 2001

Letter of Deficiency

DAM #137.16



Ms. Deanna L. Huot
Chairman of Selectmen
Town of Lincoln
P.O. Box 25
Lincoln, NH 03251

RE: Lincoln Sewage Lagoon, Lincoln

Dear Ms. Huot:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 24, 2000. During this visual inspection and/or file review, the following deficiencies were observed:

Paper/cardboard debris located on the embankment crest is reportedly debris from the previous year fireworks show. The towns fireworks display was set up on the lagoon dividing dike adjacent to the East Branch of the Pemigewasset River. A portion of the display involved digging 4-8 inch tubes, approximately 4 feet into the embankment and setting off the explosives;

2. There is a low spot on the dividing dike where an excavator was stationary during the installation of the floating boom cable anchoring system;
3. There is tree and brush growth on the downstream slopes of the east, south, and west perimeter embankments;
4. The crest has several low spot along the entire access road around the lagoons. Re-grading is reportedly scheduled for the spring of 2001; and

There is no operational procedure plan on file with the DES

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

Inform the owner that the DES Dam Bureau discourages the launching of fireworks from on top the dam embankments, especially when detonations originate within tubes imbedded within the embankment. These lagoons are not lined with a membrane which increases the chance of liquefaction of the embankment soils under seismic conditions;

June 1, 2001

2. Regrade the crest of all of the embankments to a uniform elevation

Remove the tree and brush growth to a distance of 10 feet from the toe of the embankments on the east, south, and west downstream slopes (see attached sketch); and

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4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Jeff M. Blaney
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule

Patrick Butler, Woodard & Curran

Certified # 7099340D000297728953

JMB/was/h:/safety/wendy/lod/137-16lod.doc